

# **Inergy Midstream Finger Lakes LLC.**

## **Well #18**

**API #31-097-51-496-00-01**

**Lat 42.423106 (Nad 83)**

**Long -76.896697 (Nad 83)**

**GL. ELEV. 687ft**

**Drilled 1/19/1936**

**Plugged 4/20/1977 to 1997'**

**Redrilled 8/20/2011**

**Conductor Casing 14" set at 10' exiting from 1936**

**Surface Casing 9 5/8" 36# j55 set at 716' placed in Aug. 2011**

**Intermediate Casing 7" 23# j55 1971'. DV tool and Inflatable packer set @ 1995'**

**W/ 40' pup of 7" 23# j55 hanging to 2035' placed in Dec 2011**

**Top of Salt 2022'**

**Top of Cavern 1997'**

**Total Depth 2062' in 2011**

**Original TD 2494' in 1936**

### **Recent logs run**

**9/22/2011 Triple Combo w/ SBT**

**11/7/2011 Sonar Survey**

**12/9/2011 Gamma ray Segmented Bond**

**12/27/2011 Deviation Survey**

### **Notes from drill out 2011**

**Aug 20 2011**

Move on location with Drillers LLC rig #1

Rigged up, nipples up on 13 3/8" found only 10' of conductor and no sign of 10 3/4" tested Bop @ 10' to 500 # for 10 min. did not hold. It was decided to drill 12 3/8" hole to 730' and set 9 5/8" 36#, drilled dusting to 725' clean hole and toh Load 9 7/8" 36# pipe and spot at rig, wo float equipment.

**Aug 22 2011**

Wo float equipment

1900 hrs run 18 jts 716' of 9 5/8 36# j55 with guide shoe, basket on top jt below surface and 6 cents on every third joint

Rig up Appalachian well services and cemented with 265 sks A+ 3% calcium+1/2 flake. 30% excess figured and got 6 bbls returns. Sdwoc 24 hrs plug down @ 2245 hrs Schuyler county sheriff made trip out to rig and waved and left did not speak to anyone.

**Aug 23 2011**

Woc nipple up on 9 5/8" with 8 7/8" hammer test BOP @ 1600 hrs to 1700 hrs @400 psi good test. Service rig, tih 2045hrs start drilling plug and shoe and blow hole dry.

Cont. drilling @ 925' hit a little h<sub>2</sub>o, cleaned hole stopped @ 945' tightened tube on power head., cont. drilling to 1035' returns stopped, picked up and returns started coming. Dried hole @ 1035'

Aug 24 2011

Drilling 8 7/8" hole with very little soap to 1560' to pick up 7 7/8" tri cone rb and tih cont. drilling to 1625' to 1675 hole was soft and real hard drilling from 1675' to 1750' @ 1750 got some junk out of flowline, @1835' to 1855' hole got soft again. @1860' got more metal from flowline. Cleaning hole and over 100gpm of brine @ 1864'

Aug 25 2011

Toh to pickup 5 3/4" mill rig up GFS mud pump. Sdow

Aug 29 2011

Tih blowing each rod hit h<sub>2</sub>o @ 390' trip to 1864' start drilling with 5 3/4" mill to 1868' Lost circulation. Tih tagged bottom @ 2065'

Aug 30 2011

Toh to pickup 6 1/4" rb tih tagged bottom @ 2062', toh to pickup 8 3/4" rb, tih tagged @1868' and reamed holed to 1868'

Aug 31 2011

Reaming hard from 1949' to 1993'. Toh to pick up 7 7/8" rb, tih reamed from 1993' to cavern @ 2065'. Toh to pick up 8 3/4" rb tih ream from 1993' to cavern @ 2065' toh rig down, move to well #17.

Sept 22 2011

Rig up Baker Atlas to run RT Explorer, Segmented Bond, Variable Density, Gamma Ray and Caliper logs as well as Compensated Z Densilog and Compensated Neutron log to 2028'

Nov 7 2011

Rig up Socon. ran Sonar BOC. 2062', TOC. @1997' w/ a total capacity of 12,162 bbls With a Max diameter of 76.9ft @ 2000'

Dec 5 2011

Move rig back on to run 50jts 1970.80' of 7" 23# j-55 with dv cement tool @ 1979', Bottom of inflatable packer @ 1990' with a 39.55' 7" pup w/ guide shoe @ 2035.69'

Dec 8 2011

Rig up Appalachian Well services to cement 7". cement w/ 490 sks class A neat w/500# Bentonite gel and 320# baroseal = 90% excess. Displaced with 77.7 bbls fresh water Plug down @ 12:50 w/ no returns WOC 24hrs

Dec 9 2011

Baker atlas ran SBT w/ HR Microvert to 2000'  
Tih w/6 1/4" t-cone hit packer/plug @ 2005' drill out and trip to td @ 2065'  
Toh rig down moved Well#17

Dec 27 2011

Move in Javins Directional Survey ran log to 2025' in 7" 23# with a direction of 107.55 degrees. with a distance of 21.46 ft

Note Wellhead is 7"x 9" 3m SOW w/ 2- 2" ports, 1 plugged and 1 valve

TCC 3/26/12